

1/14

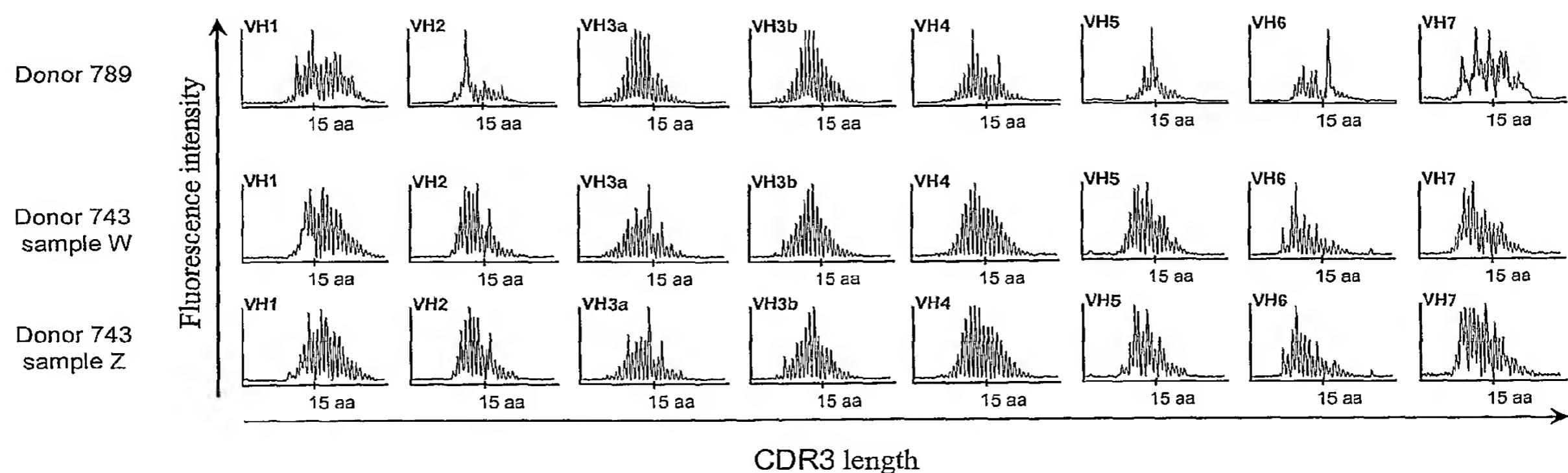


Figure 1A

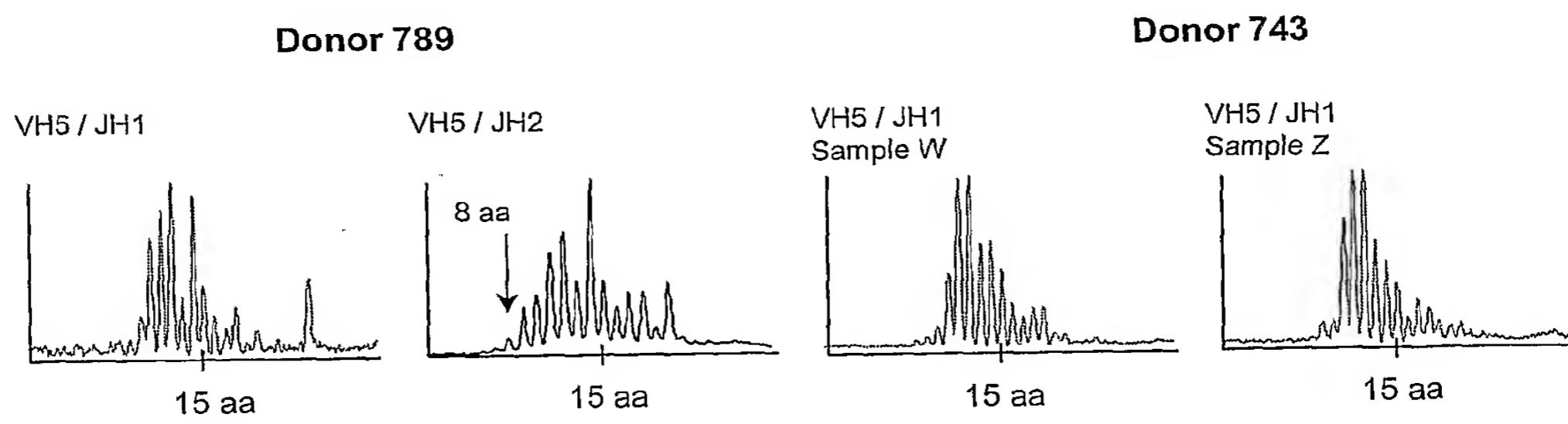


Figure 1B

2/14

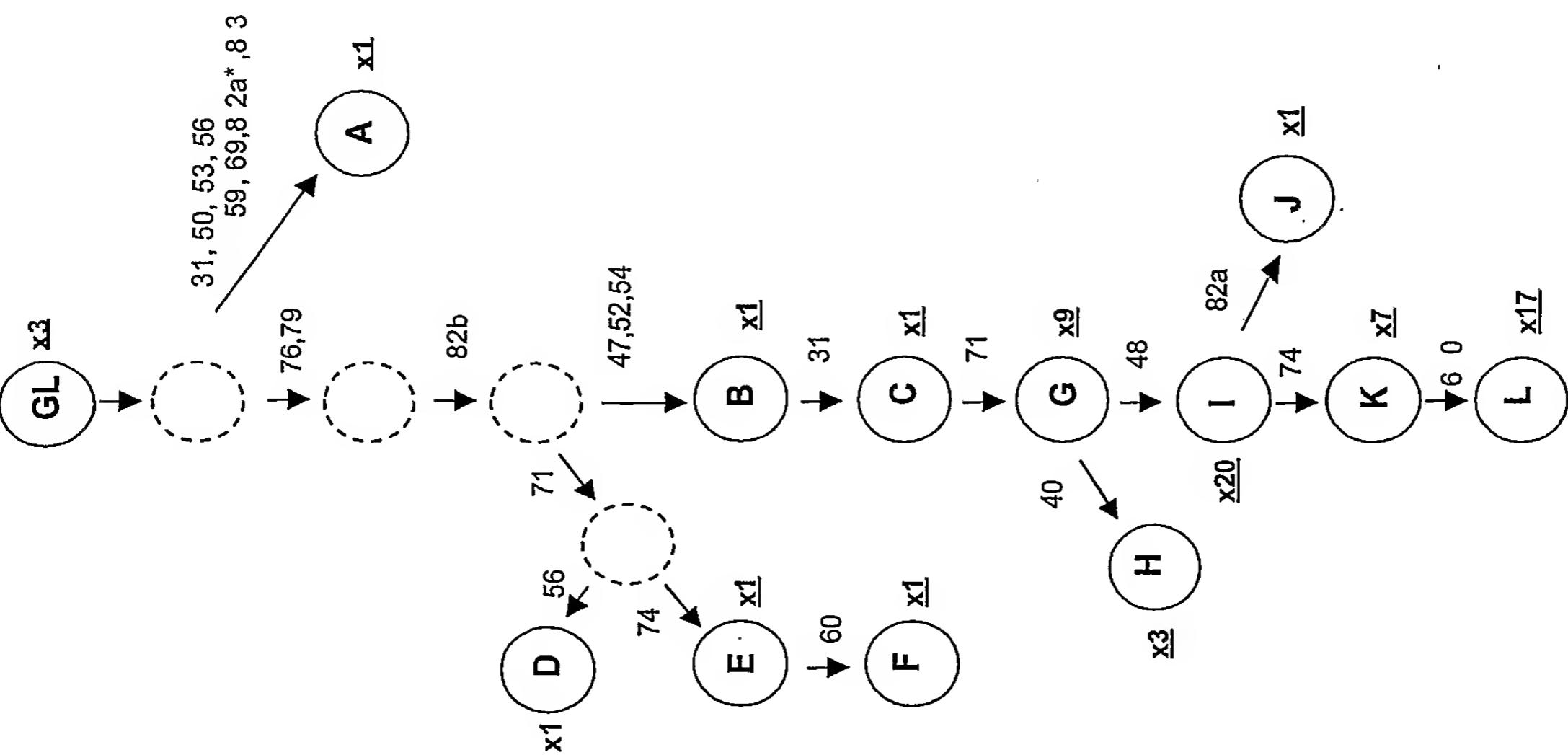
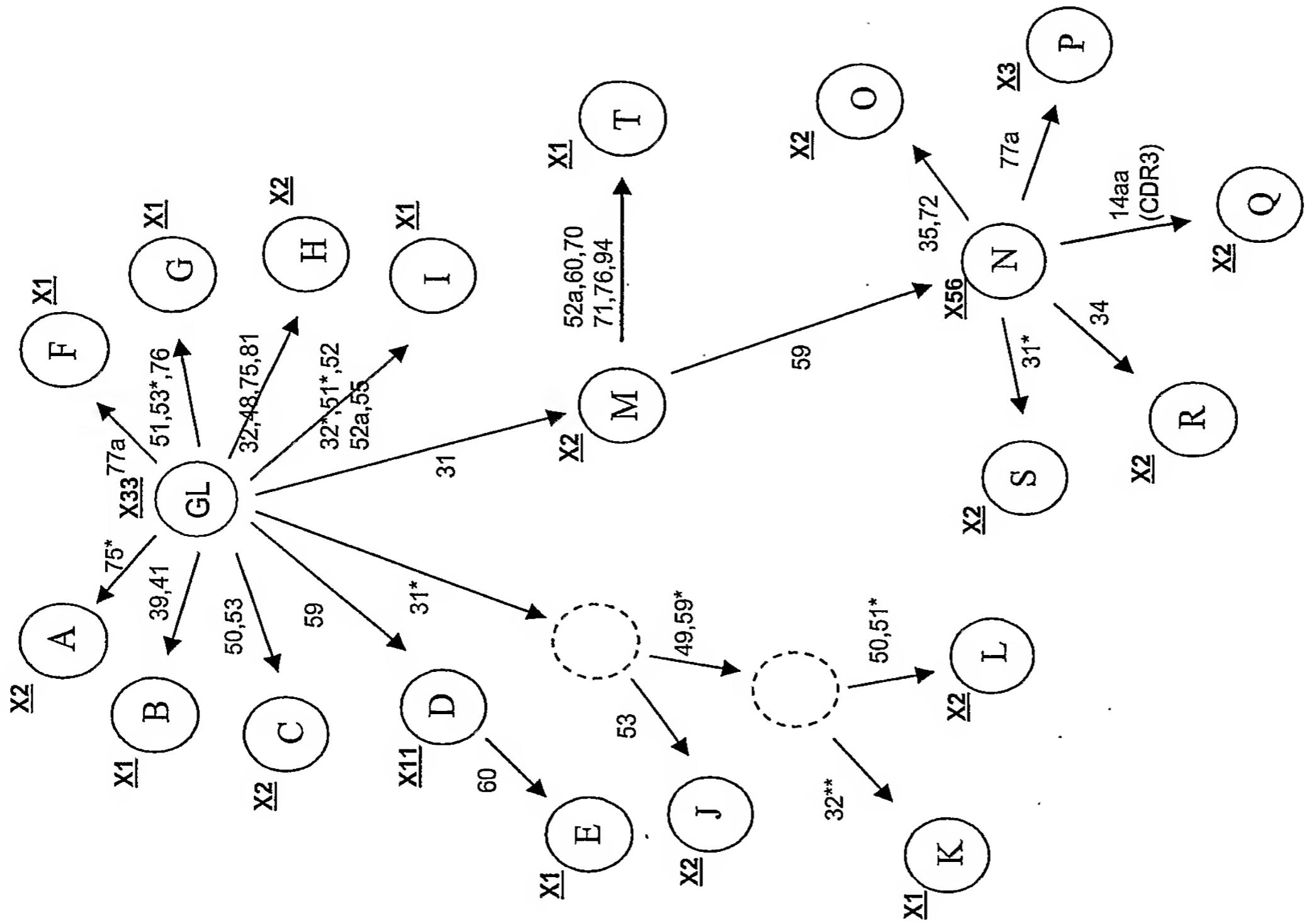


Figure 2A

Figure 2B

Donor 743

Donor 743	tW-tov	tZ-tov	tov	tW+tZ	dW-dov	dZ-dov	dov	dW+dZ
seq. nb	517	488	268	1273	202	199	20	421
%	40,6	38,4	21	100	48	47,3	4,7	100

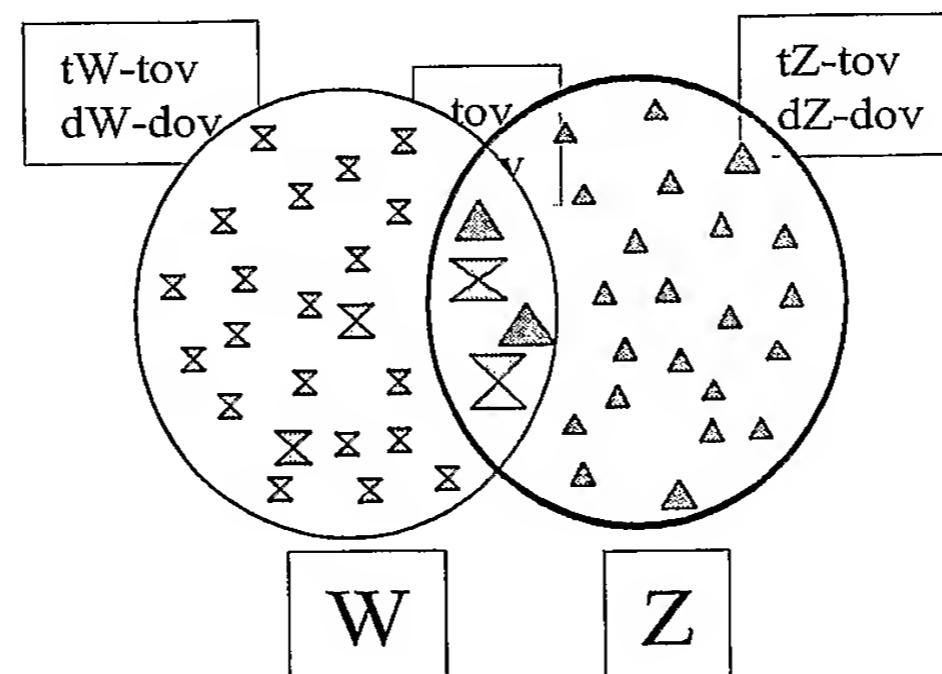


Figure 3A

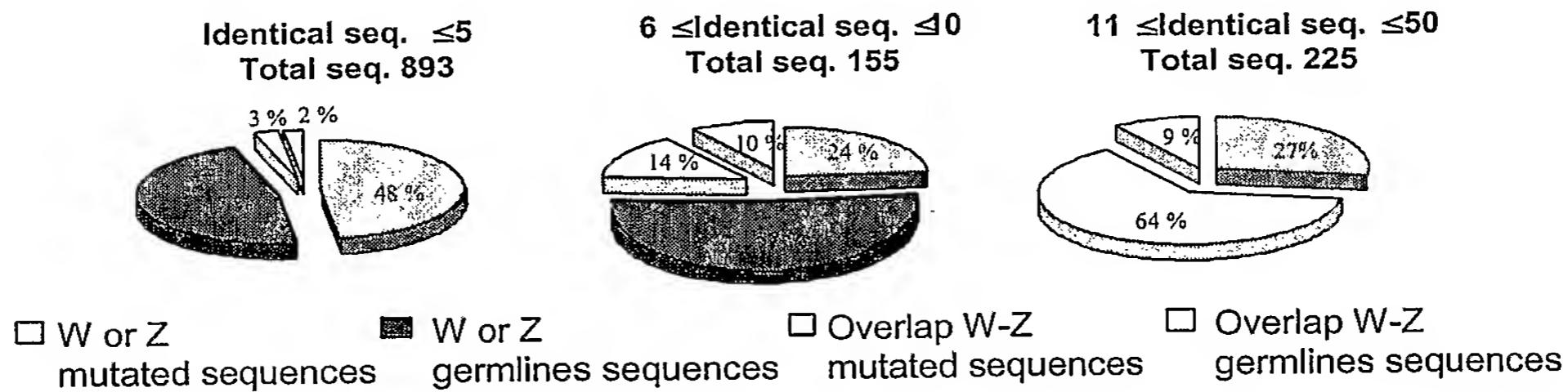


Figure 3B

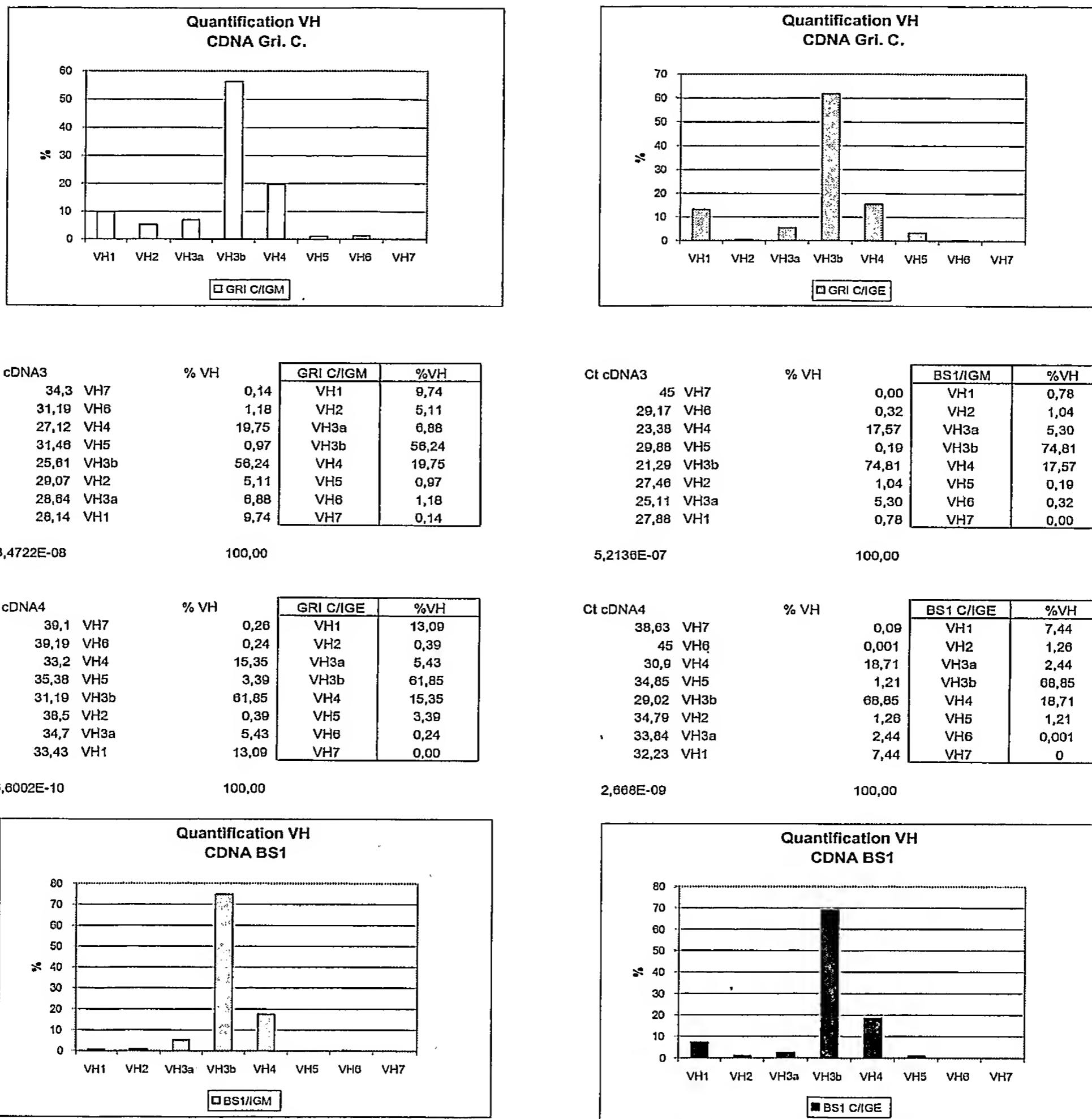


Figure 4

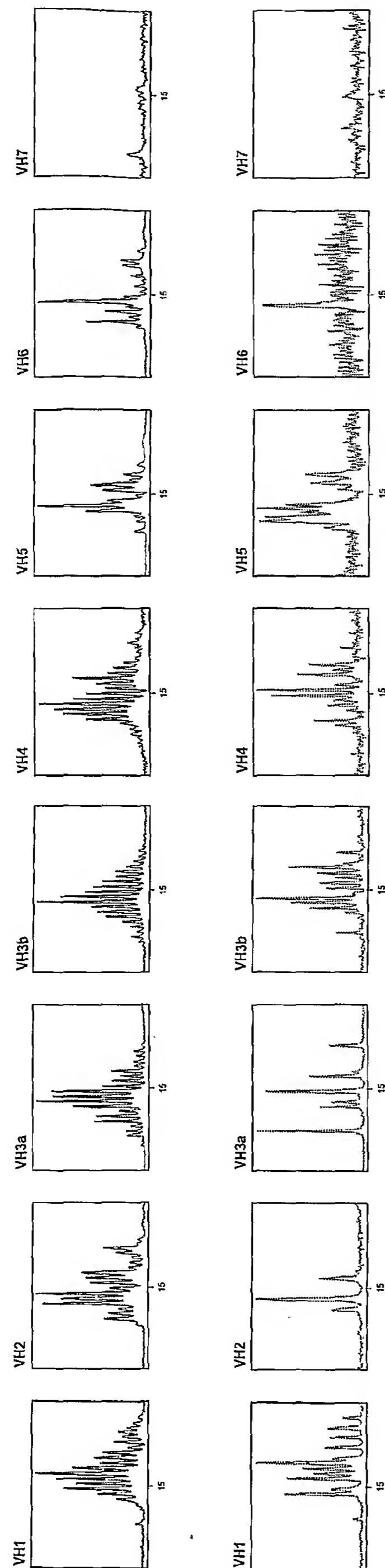
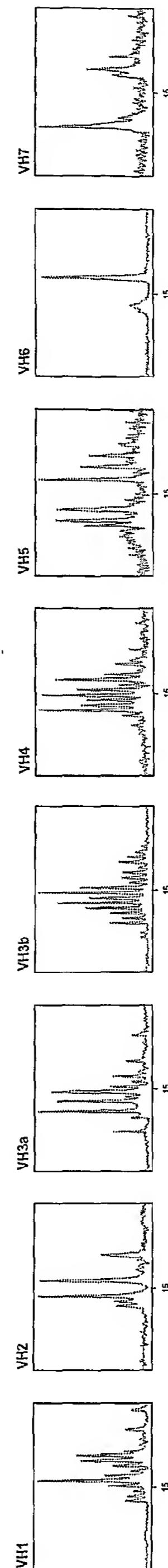
Gri. C.**IgM****IgE****BS1****IgM****IgE**

Figure 5

6/14

1	100
{all2_b10_039}	-----
{all2_g05_018}	-----
{all2_a05_024}	-----
{all2_f08_027}	-----
{all2_h05_017}	-----
{all2_f10_035}	-----
{all2_d12_045}	-----
{all2_f01_003}	-----
{all2_c01_006}	-----
{all2_d07_029}	-----
{all2_a07_032}	-----
{all2_b07_031}	-----
{all2_d05_021}	-----
{all2_a09_040}	-----
{all2_f06_019}	-----
{all2_g03_010}	-----
{all2_h09_033}	-----
{all2_f05_019}	-----
{all2_e02_004}	-----
{all2_g01_002}	-----
germline IGHG1	-----
	t-g g-----
{all2_b02_007}	-----
germline IGHG3	-----
~~t-----	-----t-g g-----
{all2_h07_025}	-----
{all2_h01_001}	-----
{all2_f03_011}	-----
{all2_g06_018}	-----
{all2_c06_022}	-----
{all2_d06_021}	-----
{all2_b01_007}	-----
{all2_h12_041}	-----
{all2_g02_002}	-----
{all2_a02_008}	-----
germline IGHG2	-----c-----
	c-----
{all2_e01_004}	-----t-----c-----c-----
{all2_a08_032}	-----t-----c-----c-----
{all2_c12_046}	-----t-----c-----c-----
{all2_f09_035}	-----t-----c-----c-----
{all2_c04_014}	c-t-----c-----c-----
{all2_g08_026}	-----t-----c-----c-----
{all2_c02_006}	-----t-----c-----c-----
{all2_d08_029}	-----t-----c-----c-----
{all2_e06_020}	-----t-----c-----c-----
{all2_a06_024}	-----t-----c-----c-----
{all2_c09_038}	c-t-----c-----c-----
{all2_g10_034}	-----t-----c-----c-----
{all2_e03_012}	-----t-----c-----c-----
{all2_f07_027}	-----t-----c-----c-----
{all2_g12_042}	-----t-----c-----c-----
germline IGHG4	-----t-----c-----c-----

Consensus GCCTCCACCA AGGGCCCATC GGTCTTCCCC CTGGCGCCCT GCTCCAGGAG CACCTCCGAG AGC ACAGCGG CCCTGGGCTG CCTGGTCAAG GACTACTTCC

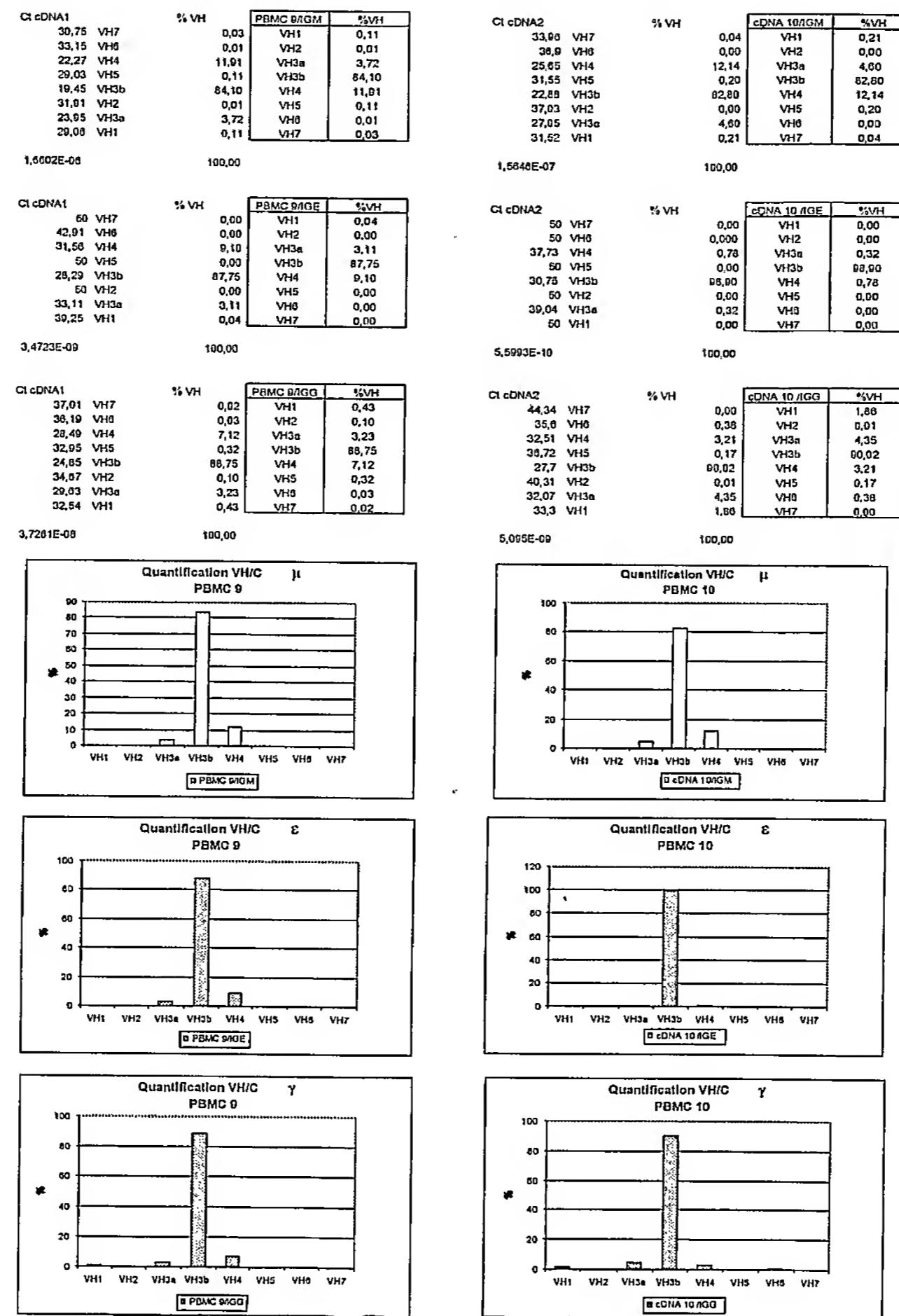


Figure 7

Cl cDNA1	% VH	cDNA9/IGM	%VH
30,75	VH7	0,03	VH1 0,11
33,15	VH6	0,01	VH2 0,01
22,27	VH4	11,62	VH3a 3,63
29,03	VH5	0,11	VH3b 82,09
19,45	VH3b	82,09	VH4 11,62
31,91	VH2	0,01	VH5 0,11
23,95	VH3a	3,63	VH6 0,01
29,06	VH1	0,11	VH7 0,03
Cl cDNA1	% VH	cDNA9/IGE	%VH
50	VH7	5,2E-08	VH1 0,00
42,91	VH6	7,1E-06	VH2 0,00
31,56	VH4	1,9E-02	VH3a 0,01
50	VH5	5,2E-08	VH3b 0,18
28,29	VH3b	1,8E-01	VH4 0,02
50	VH2	5,2E-08	VH5 0,00
33,11	VH3a	6,3E-03	VH6 0,00
39,26	VH1	9,0E-05	VH7 0,00
Cl cDNA1	% VH	cDNA9/IGG	%VH
37,01	VH7	4,2E-04	VH1 0,0
36,19	VH6	7,5E-04	VH2 0,0
28,49	VH4	1,6E-01	VH3a 0,1
32,85	VH5	7,1E-03	VH3b 1,9
24,85	VH3b	1,9E+00	VH4 0,2
34,67	VH2	2,2E-03	VH5 0,0
29,63	VH3a	7,1E-02	VH6 0,0
32,54	VH1	9,4E-03	VH7 0,0

Cl cDNA 2	% VH	cDNA10/IGM	%VH
33,96	VH7	0,04	VH1 0,20
36,9	VH6	0,00	VH2 0,00
25,65	VH4	11,72	VH3a 4,44
31,55	VH5	0,20	VH3b 79,91
22,88	VH3b	79,91	VH4 11,72
37,03	VH2	0,00	VH5 0,20
27,05	VH3a	4,44	VH6 0,00
31,52	VH1	0,20	VH7 0,04
Cl cDNA 2	% VH	cDNA10/IGE	%VH
50	VH7	5,48E-07	VH1 0,00
50	VH6	5,48E-07	VH2 0,00
37,73	VH4	2,71E-03	VH3a 0,00
50	VH5	5,48E-07	VH3b 0,34
30,75	VH3b	3,42E-01	VH4 0,00
50	VH2	5,48E-07	VH5 0,00
39,04	VH3a	1,09E-03	VH6 0,00
50	VH1	5,48E-07	VH7 0,00
Cl cDNA 2	% VH	cDNA10/IGG	%VH
44,34	VH7	2,77E-05	VH1 0,06
35,6	VH6	1,18E-02	VH2 0,00
32,51	VH4	1,01E-01	VH3a 0,14
36,72	VH5	5,45E-03	VH3b 2,83
27,7	VH3b	2,83E+00	VH4 0,10
40,31	VH2	4,53E-04	VH5 0,01
32,07	VH3a	1,37E-01	VH6 0,01
33,3	VH1	5,83E-02	VH7 0,00

Cl cDNA 2	% VH	cDNA10/IGM	%VH
1,6211E-07	VH7	100	VH1 0,06
	VH6	1,18E-02	VH2 0,00
	VH4	1,01E-01	VH3a 0,14
	VH5	5,45E-03	VH3b 2,83
	VH3b	2,83E+00	VH4 0,10
	VH2	4,53E-04	VH5 0,01
	VH3a	1,37E-01	VH6 0,01
	VH1	5,83E-02	VH7 0,00

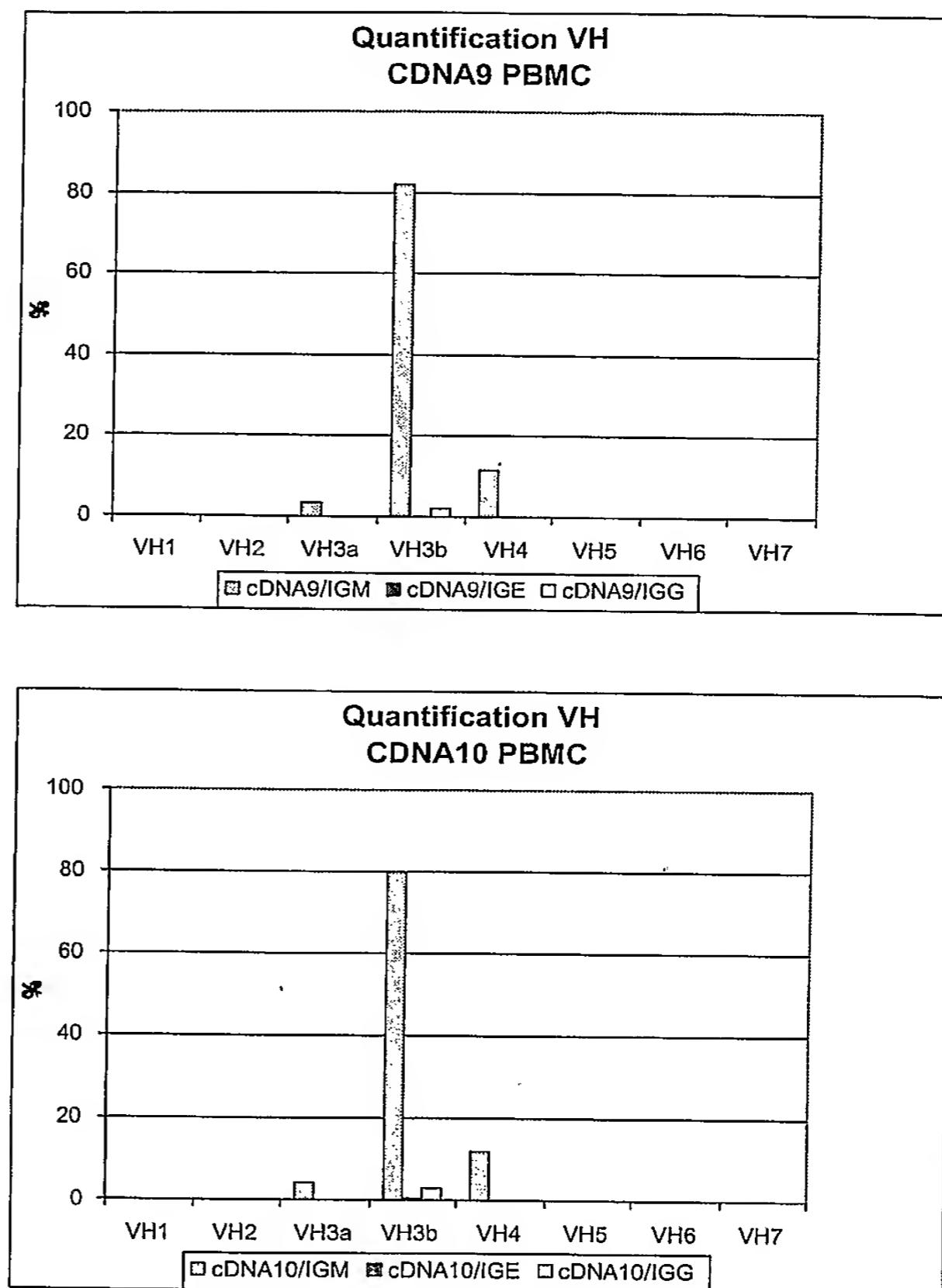


Figure 8

9/14



Figure 9

10/14

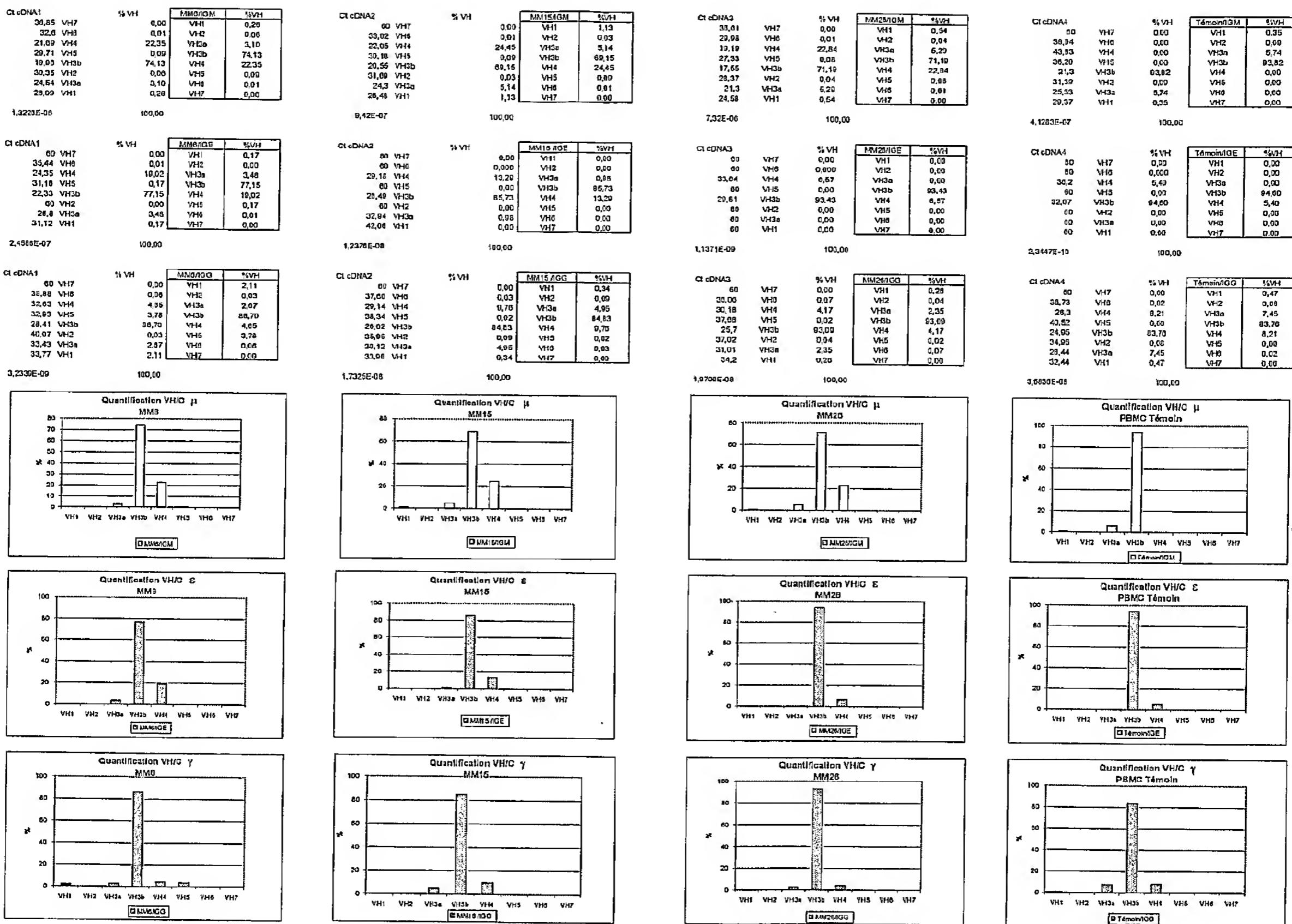


Figure 10

11/14

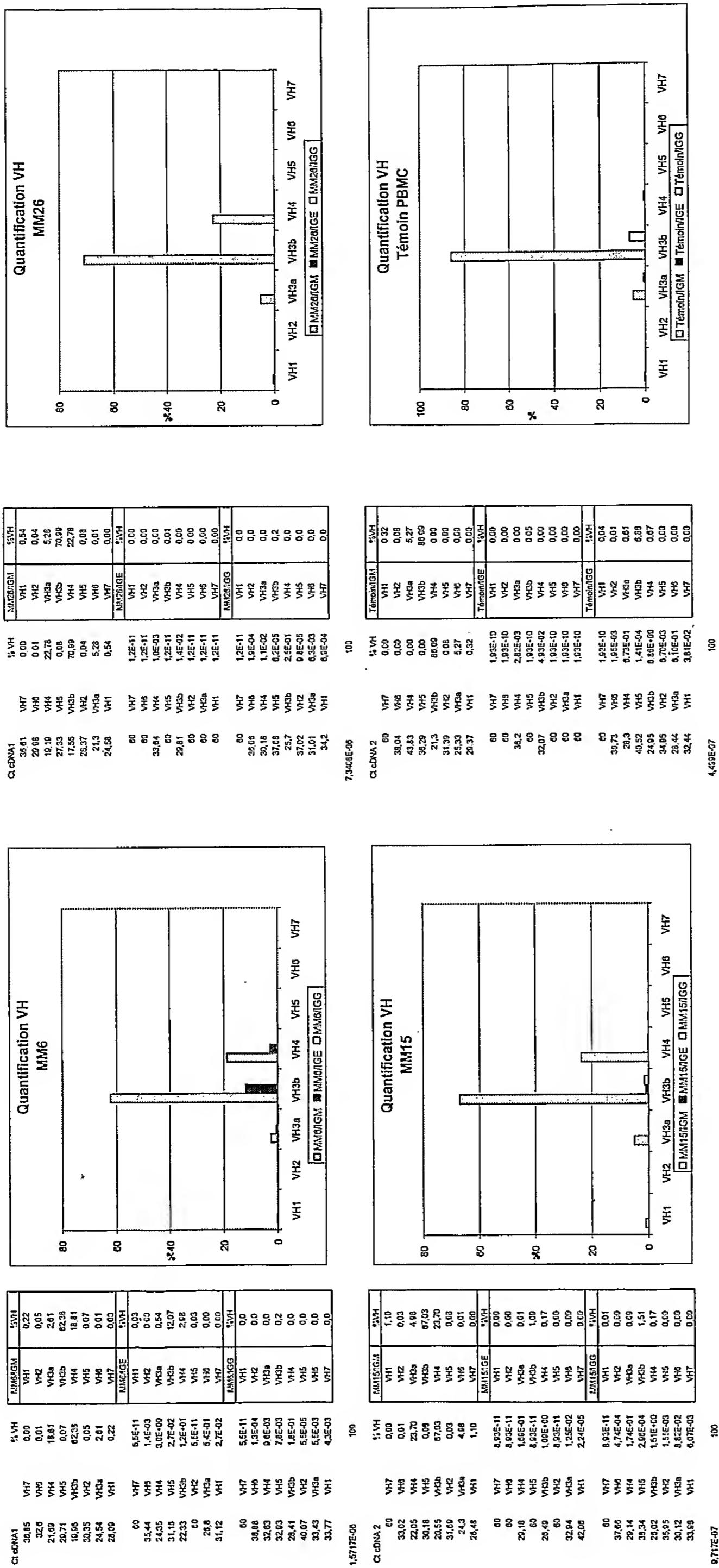


Figure 11

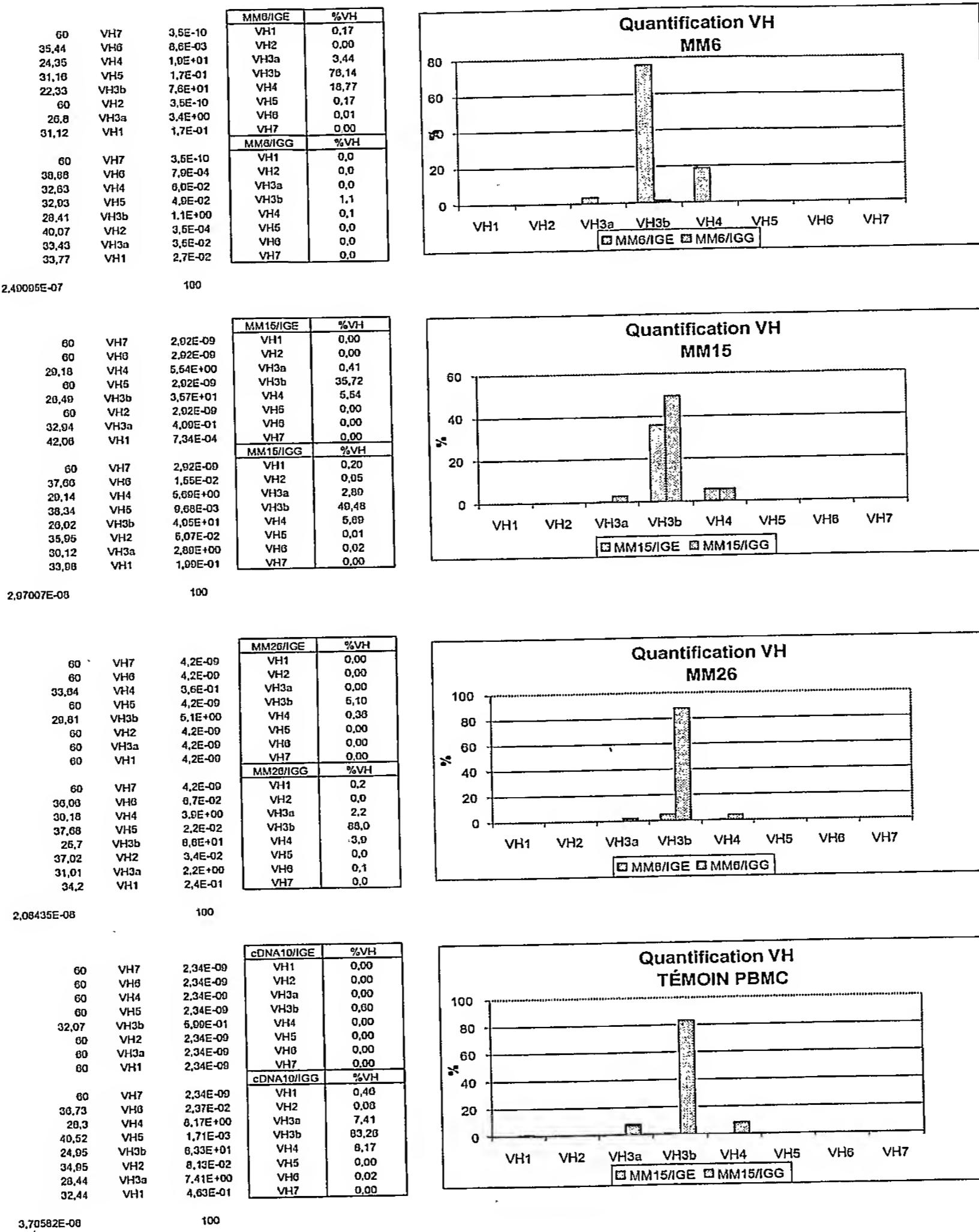


Figure 12

13/14

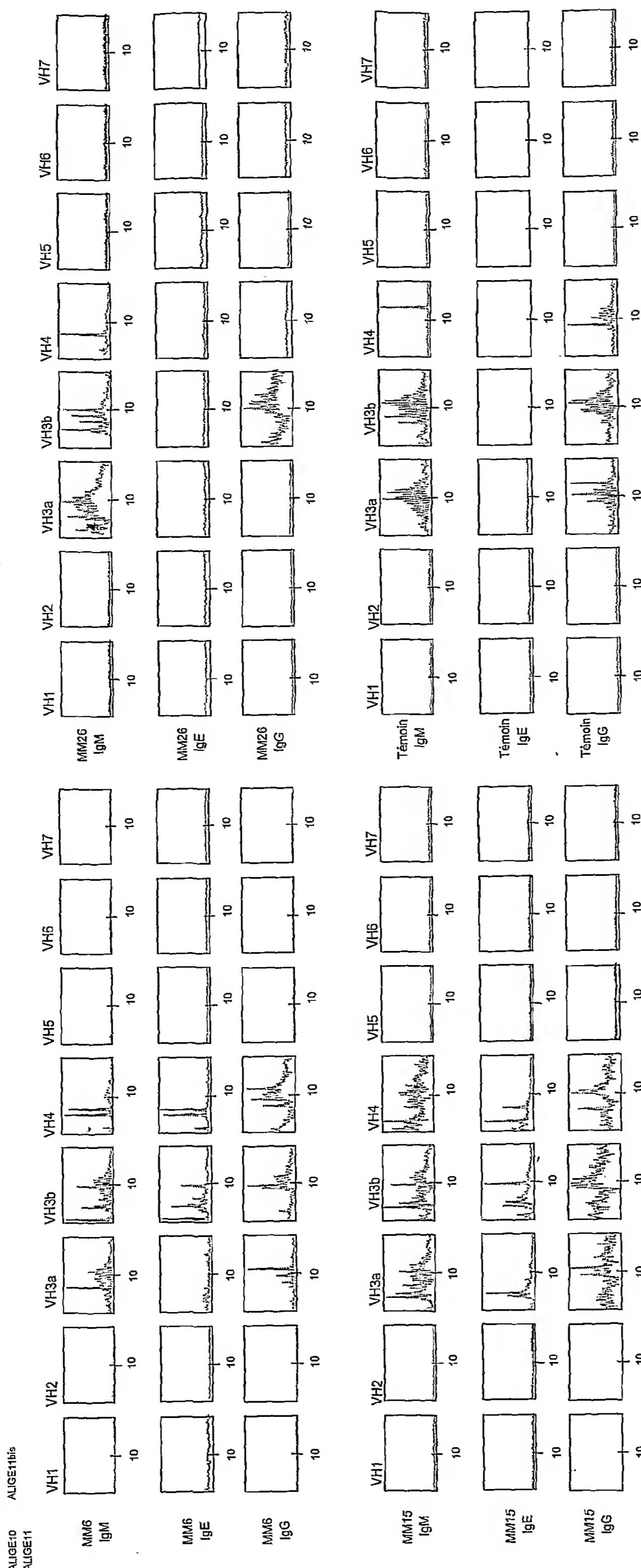


Figure 13

IGE12

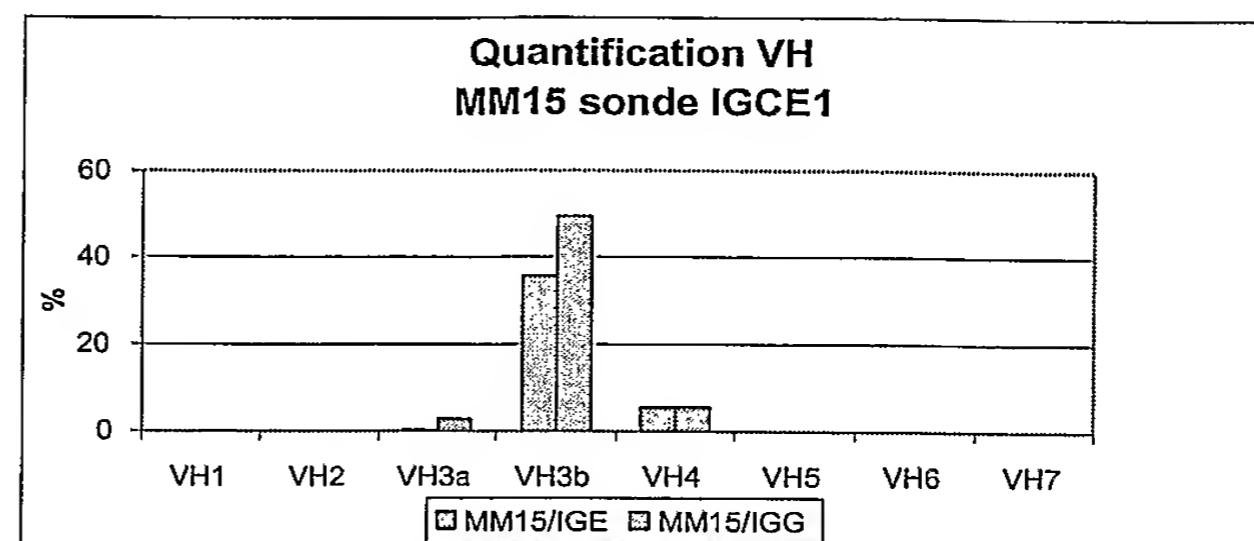
60	VH7	2,9E-09
60	VH6	2,9E-09
29,18	VH4	5,5E+00
60	VH5	2,9E-09
26,49	VH3b	3,6E+01
60	VH2	2,9E-09
32,94	VH3a	4,1E-01
42,06	VH1	7,3E-04

MM15/IGE	%VH
VH1	0,00
VH2	0,00
VH3a	0,41
VH3b	35,72
VH4	5,54
VH5	0,00
VH6	0,00
VH7	0,00

MM15/IGG	%VH
VH1	0,2
VH2	0,1
VH3a	2,9
VH3b	49,5
VH4	5,7
VH5	0,0
VH6	0,0
VH7	0,0

2,97007E-08

100



IGE11

60	VH7	1,61E-09
60	VH6	1,61E-09
29,56	VH4	2,35E+00
40,25	VH5	1,42E-03
25,64	VH3b	3,55E+01
60	VH2	1,61E-09
33,62	VH3a	1,41E-01
35,23	VH1	4,61E-02

MM15/IGE	%VH
VH1	0,05
VH2	0,00
VH3a	0,14
VH3b	35,53
VH4	2,35
VH5	0,00
VH6	0,00
VH7	0,00

MM15/IGG	%VH
VH1	1,44
VH2	0,02
VH3a	2,60
VH3b	52,38
VH4	5,43
VH5	0,01
VH6	0,05
VH7	0,00

5,38302E-08

100

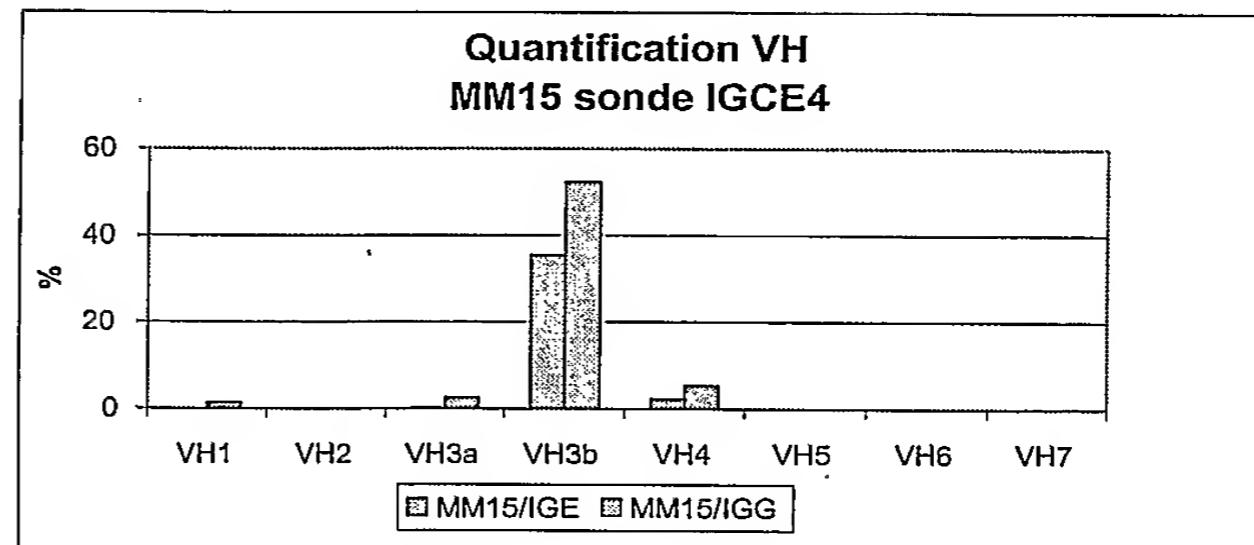


Figure 14